



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 5

Test Date: March 2009  
Code: 10511225  
SAU: Durham School Department  
School: Durham Elementary School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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# SUMMARY OF SCORES

Test Date: March 2009

Grade: 5

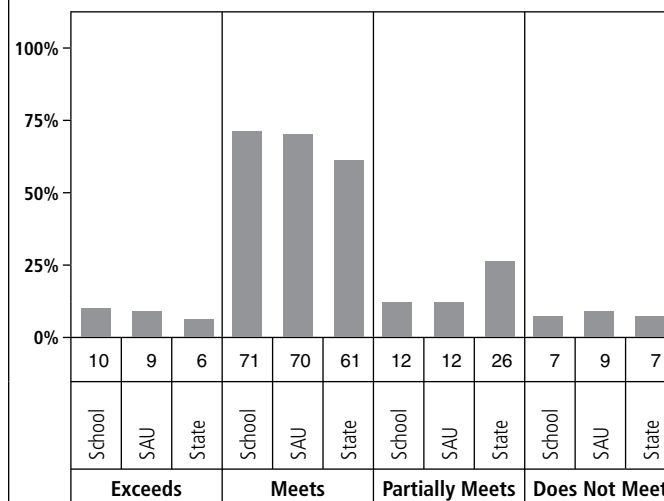
SAU: Durham School Department

School: Durham Elementary School

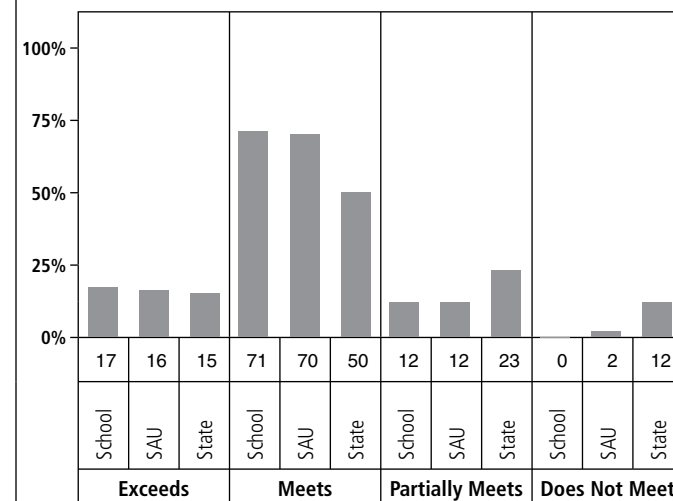
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	545	545	544
2007–2008	546	546	545
<b>2008–2009</b>	<b>548</b>	<b>547</b>	<b>546</b>
Cum. Avg.*	546	546	545
<b>Mathematics</b>			
2006–2007	548	548	546
2007–2008	555	555	546
<b>2008–2009</b>	<b>552</b>	<b>551</b>	<b>547</b>
Cum. Avg.*	552	551	546
<b>Science</b>			
<b>2008–2009 **</b>	<b>546</b>	<b>545</b>	<b>543</b>

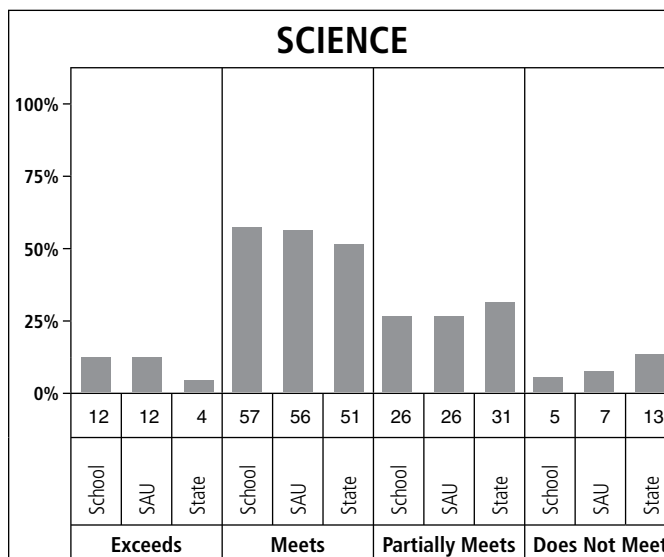
## ELA – READING



## MATHEMATICS



## SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\*Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009

Grade: 5

SAU: Durham School Department

School: Durham Elementary School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	43	100	44	100	14212	100	43	100	44	100	14135	100	43	100	44	100	14144	100	43	100	44	100	14137	100
<b>Ethnicity</b> African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	43	100	44	100	13271	93	43	100	44	100	13212	100	43	100	44	100	13211	100	43	100	44	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	10	23	11	25	2479	17	10	100	11	100	2454	100	10	100	11	100	2455	100	10	100	11	100	2451	99
<b>Current LEP</b>	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
<b>Economically disadvantaged</b>	11	26	11	25	5848	41	11	100	11	100	5815	100	11	100	11	100	5819	100	11	100	11	100	5812	100
<b>Migrant</b>	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	33	77	33	75	10849	76	33	77	33	75	10872	76	33	77	33	75	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	1	3	1	3	123	1	1	3	1	3	121	1	1	3	1	3	126	1
<b>Participation with accommodations</b>	9	21	10	23	3122	22	9	21	10	23	3124	22	9	21	10	23	3019	21
Identified disability (PET/IEP)	9	100	10	100	1992	64	9	100	10	100	2000	64	9	100	10	100	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
<b>Participation through alternate assessment (PAAP)</b>	1	2	1	2	164	1	1	2	1	2	148	1	1	2	1	2	142	1
Identified disability (PET/IEP)	1	100	1	100	164	100	1	100	1	100	148	100	1	100	1	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
<b>Non-participation – other</b>	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 5  
SAU: Durham School Department  
School: Durham Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	1	3	1	3	702	5
	2007-2008	2	5	2	5	659	5
	<b>2008-2009</b>	<b>4</b>	<b>10</b>	<b>4</b>	<b>9</b>	<b>836</b>	<b>6</b>
	Cum. Total*	7	6	7	6	2197	5
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	24	65	24	65	7730	55
	2007-2008	23	61	23	61	8195	58
	<b>2008-2009</b>	<b>30</b>	<b>71</b>	<b>30</b>	<b>70</b>	<b>8495</b>	<b>61</b>
	Cum. Total*	77	66	77	65	24420	58
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	9	24	9	24	4182	30
	2007-2008	13	34	13	34	3800	27
	<b>2008-2009</b>	<b>5</b>	<b>12</b>	<b>5</b>	<b>12</b>	<b>3667</b>	<b>26</b>
	Cum. Total*	27	23	27	23	11649	28
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	3	8	3	8	1419	10
	2007-2008	0	0	0	0	1362	10
	<b>2008-2009</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>9</b>	<b>973</b>	<b>7</b>
	Cum. Total*	6	5	7	6	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	32.1	66.9	31.7	66.0	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.8	65.8	15.6	65.0	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.3	67.9	16.1	67.1	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 5  
 SAU: Durham School Department  
 School: Durham Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	42	4	10	30	71	5	12	3	7	548	43	9	70	12	9	547	13971	6	61	26	7	546
<b>Ethnicity</b>																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	42	4	10	30	71	5	12	3	7	548	43	9	70	12	9	547	13062	6	62	26	6	546
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	0	0	3	33	3	33	3	33	534	10	0	30	30	40	533	2290	0	29	47	23	537
No	33	4	12	27	82	2	6	0	0	552	33	12	82	6	0	552	11681	7	67	22	4	548
<b>Current LEP</b>																						
Yes	0										0						354	1	35	34	30	538
No	42	4	10	30	71	5	12	3	7	548	43	9	70	12	9	547	13617	6	61	26	6	546
<b>Economically disadvantaged</b>																						
Yes	10	0	0	8	80	2	20	0	0	547	10	0	80	20	0	547	5716	2	51	35	12	542
No	32	4	13	22	69	3	9	3	9	548	33	12	67	9	12	547	8255	9	67	20	4	548
<b>Migrant</b>																						
Yes	0										0						8	0	38	25	38	538
No	42	4	10	30	71	5	12	3	7	548	43	9	70	12	9	547	13963	6	61	26	7	546
<b>Gender</b>																						
Female	18	3	17	13	72	2	11	0	0	552	18	17	72	11	0	552	6882	8	62	24	6	547
Male	24	1	4	17	71	3	13	3	13	544	25	4	68	12	16	544	7089	4	60	28	8	545
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						1914	1	41	44	14	540
No	42	4	10	30	71	5	12	3	7	548	43	9	70	12	9	547	12057	7	64	23	6	547
<b>Gifted/talented program</b>																						
Yes	0										0						450	26	72	2	0	557
No	42	4	10	30	71	5	12	3	7	548	43	9	70	12	9	547	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Durham School Department

School: Durham Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights?																						
A. none	0										0						4	2	40	34	24	540
B. less than one hour	78	3	10	21	68	4	13	3	10	548	78	10	68	13	10	548	70	6	63	26	6	546
C. one to two hours	23	1	11	7	78	1	11	0	0	547	23	11	78	11	0	547	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	50	4	20	14	70	2	10	0	0	552	50	20	70	10	0	552	36	10	67	18	5	549
B. good	43	0	0	11	65	3	18	3	18	542	43	0	65	18	18	542	47	5	62	27	6	546
C. fair	5	0	0	2	100	0	0	0	0	550	5	0	100	0	0	550	15	2	47	40	12	541
D. poor	3	0	0	1	100	0	0	0	0	556	3	0	100	0	0	556	2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	28	2	18	9	82	0	0	0	0	554	28	18	82	0	0	554	31	9	65	20	5	548
B. They match some of what I have learned.	60	2	8	15	63	5	21	2	8	546	60	8	63	21	8	546	55	5	63	27	5	546
C. They match just a little of what I have learned.	13	0	0	4	80	0	0	1	20	540	13	0	80	0	20	540	10	3	45	38	14	542
D. There is no match.	0										0						3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	23	0	0	6	67	1	11	2	22	542	23	0	67	11	22	542	16	3	49	32	15	542
B. about the same as my regular schoolwork	63	3	12	18	72	3	12	1	4	549	63	12	72	12	4	549	64	7	63	25	5	547
C. easier than my regular schoolwork	15	1	17	4	67	1	17	0	0	551	15	17	67	17	0	551	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	0	0	1	25	2	50	1	25	537	10	0	25	50	25	537	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	65	1	4	21	81	2	8	2	8	547	65	4	81	8	8	547	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	25	3	30	6	60	1	10	0	0	554	25	30	60	10	0	554	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	15	1	17	5	83	0	0	0	0	553	15	17	83	0	0	553	20	10	64	21	5	548
B. 20 minutes to an hour	70	3	11	20	71	4	14	1	4	548	70	11	71	14	4	548	56	7	65	24	5	547
C. less than 20 minutes	10	0	0	3	75	0	0	1	25	544	10	0	75	0	25	544	10	3	52	33	12	543
D. I rarely read at home.	5	0	0	0	0	1	50	1	50	531	5	0	0	50	50	531	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	19	0	0	5	71	1	14	1	14	540	19	0	71	14	14	540	25	3	53	33	11	543
B. six to ten pages	30	0	0	9	82	2	18	0	0	546	30	0	82	18	0	546	26	6	61	26	7	546
C. eleven or more pages	51	4	21	12	63	2	11	1	5	553	51	21	63	11	5	553	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 5  
SAU: Durham School Department  
School: Durham Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	4	11	4	11	1711	12
	2007-2008	8	21	8	21	1617	12
	<b>2008-2009</b>	<b>7</b>	<b>17</b>	<b>7</b>	<b>16</b>	<b>2119</b>	<b>15</b>
	Cum. Total*	19	16	19	16	5447	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	19	51	19	51	6778	48
	2007-2008	26	68	26	68	7284	52
	<b>2008-2009</b>	<b>30</b>	<b>71</b>	<b>30</b>	<b>70</b>	<b>7046</b>	<b>50</b>
	Cum. Total*	75	64	75	64	21108	50
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	12	32	12	32	3884	28
	2007-2008	4	11	4	11	3341	24
	<b>2008-2009</b>	<b>5</b>	<b>12</b>	<b>5</b>	<b>12</b>	<b>3193</b>	<b>23</b>
	Cum. Total*	21	18	21	18	10418	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	2	5	2	5	1683	12
	2007-2008	0	0	0	0	1778	13
	<b>2008-2009</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1638</b>	<b>12</b>
	Cum. Total*	2	2	3	3	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>48</b>	<b>100</b>	28.8	60.0	28.3	59.0	25.5	53.1
<b>A. Number</b>	<b>18</b>	<b>38</b>	11.2	62.2	11.0	61.1	9.8	54.4
<b>B. Data</b>	<b>10</b>	<b>21</b>	5.5	55.0	5.4	54.0	5.2	52.0
<b>C. Geometry</b>	<b>10</b>	<b>21</b>	5.6	56.0	5.5	55.0	4.7	47.0
<b>D. Algebra</b>	<b>10</b>	<b>21</b>	6.5	65.0	6.4	64.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009

Grade: 5

SAU: Durham School Department

School: Durham Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	42	7	17	30	71	5	12	0	0	552	43	16	70	12	2	551	13996	15	50	23	12	547
<b>Ethnicity</b>																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	42	7	17	30	71	5	12	0	0	552	43	16	70	12	2	551	13078	15	51	23	11	547
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	0	0	8	89	1	11	0	0	548	10	0	80	10	10	545	2307	3	32	32	33	536
No	33	7	21	22	67	4	12	0	0	553	33	21	67	12	0	553	11689	17	54	21	8	549
<b>Current LEP</b>																						
Yes	0										0						365	5	33	30	32	536
No	42	7	17	30	71	5	12	0	0	552	43	16	70	12	2	551	13631	15	51	23	11	547
<b>Economically disadvantaged</b>																						
Yes	10	0	0	8	80	2	20	0	0	545	10	0	80	20	0	545	5731	7	46	29	18	542
No	32	7	22	22	69	3	9	0	0	554	33	21	67	9	3	553	8265	21	53	19	7	550
<b>Migrant</b>																						
Yes	0										0						8	0	38	50	13	540
No	42	7	17	30	71	5	12	0	0	552	43	16	70	12	2	551	13988	15	50	23	12	547
<b>Gender</b>																						
Female	18	4	22	14	78	0	0	0	0	556	18	22	78	0	0	556	6889	14	51	23	12	546
Male	24	3	13	16	67	5	21	0	0	549	25	12	64	20	4	548	7107	16	50	23	11	547
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						1918	3	39	36	22	539
No	42	7	17	30	71	5	12	0	0	552	43	16	70	12	2	551	12078	17	52	21	10	548
<b>Gifted/talented program</b>																						
Yes	0										0						450	64	34	2	0	564
No	42	7	17	30	71	5	12	0	0	552	43	16	70	12	2	551	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Durham School Department

School: Durham Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										0						4	8	38	26	28	539
B. less than one hour	78	5	16	21	68	5	16	0	0	552	78	16	68	16	0	552	70	15	52	23	10	547
C. one to two hours	23	2	22	7	78	0	0	0	0	552	23	22	78	0	0	552	24	15	51	23	11	547
D. more than two hours	0										0						2	9	37	24	30	539
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	31	4	33	8	67	0	0	0	0	558	31	33	67	0	0	558	34	28	50	14	8	552
B. good	51	3	15	13	65	4	20	0	0	550	51	15	65	20	0	550	45	11	54	24	10	546
C. fair	15	0	0	5	83	1	17	0	0	548	15	0	83	17	0	548	18	3	45	33	19	540
D. poor	3	0	0	1	100	0	0	0	0	550	3	0	100	0	0	550	3	1	29	41	29	535
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	38	4	27	11	73	0	0	0	0	556	38	27	73	0	0	556	38	22	52	19	7	550
B. They match some of what I have learned.	53	3	14	14	67	4	19	0	0	552	53	14	67	19	0	552	48	12	53	24	11	546
C. They match just a little of what I have learned.	10	0	0	3	75	1	25	0	0	542	10	0	75	25	0	542	11	6	40	30	24	540
D. There is no match.	0										0						3	6	26	29	38	534
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	15	0	0	4	67	2	33	0	0	543	15	0	67	33	0	543	17	7	42	30	21	540
B. about the same as my regular schoolwork	58	6	26	16	70	1	4	0	0	556	58	26	70	4	0	556	64	15	53	23	10	547
C. easier than my regular schoolwork	28	1	9	8	73	2	18	0	0	548	28	9	73	18	0	548	19	24	49	17	10	550
<b>On average, how many minutes a day do you spend working on mathematics in class?</b>																						
A. less than 30 minutes	15	0	0	5	83	1	17	0	0	545	15	0	83	17	0	545	7	6	39	27	27	539
B. 30–45 minutes	15	0	0	5	83	1	17	0	0	550	15	0	83	17	0	550	28	9	49	28	15	544
C. 45–60 minutes	43	4	24	10	59	3	18	0	0	553	43	24	59	18	0	553	41	17	53	21	9	548
D. more than 60 minutes	28	3	27	8	73	0	0	0	0	557	28	27	73	0	0	557	24	21	51	20	8	549
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	18	0	0	6	86	1	14	0	0	548	18	0	86	14	0	548	6	14	43	24	20	543
B. two or three days a week	60	4	17	18	75	2	8	0	0	553	60	17	75	8	0	553	24	17	52	21	10	548
C. two or three times each month	13	1	20	2	40	2	40	0	0	550	13	20	40	40	0	550	33	17	52	21	9	548
D. never or almost never	10	2	50	2	50	0	0	0	0	559	10	50	50	0	0	559	38	12	49	25	14	545
<b>How often do you use hands-on materials in mathematics class?</b>																						
A. almost every day	30	2	17	8	67	2	17	0	0	551	30	17	67	17	0	551	23	13	47	26	15	545
B. two or three days a week	33	2	15	10	77	1	8	0	0	553	33	15	77	8	0	553	31	17	52	21	10	548
C. two or three times each month	28	3	27	7	64	1	9	0	0	553	28	27	64	9	0	553	27	17	52	21	10	548
D. never or almost never	10	0	0	3	75	1	25	0	0	551	10	0	75	25	0	551	20	12	50	24	14	545
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 5  
SAU: Durham School Department  
School: Durham Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	5	12	5	12	626	4
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	24	57	24	56	7187	51
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	11	26	11	26	4364	31
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	2	5	3	7	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	48	100	30.8	64.2	30.6	63.8	29.2	60.8
<b>D. The Physical Setting</b>	24	50	14.3	59.6	14.2	59.2	12.9	53.8
<b>E. The Living Environment</b>	24	50	16.5	68.8	16.4	68.3	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009

Grade: 5

SAU: Durham School Department

School: Durham Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	42	5	12	24	57	11	26	2	5	546	43	12	56	26	7	545	13995	4	51	31	13	543
<b>Ethnicity</b>																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	42	5	12	24	57	11	26	2	5	546	43	12	56	26	7	545	13080	5	52	31	12	544
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	0	0	6	67	3	33	0	0	544	10	0	60	30	10	542	2309	2	29	39	29	536
No	33	5	15	18	55	8	24	2	6	546	33	15	55	24	6	546	11686	5	56	30	10	545
<b>Current LEP</b>																						
Yes	0										0						361	1	23	32	44	533
No	42	5	12	24	57	11	26	2	5	546	43	12	56	26	7	545	13634	5	52	31	12	544
<b>Economically disadvantaged</b>																						
Yes	10	0	0	5	50	4	40	1	10	538	10	0	50	40	10	538	5729	2	42	37	20	539
No	32	5	16	19	59	7	22	1	3	548	33	15	58	21	6	548	8266	6	58	27	8	546
<b>Migrant</b>																						
Yes	0										0						8	0	25	13	63	530
No	42	5	12	24	57	11	26	2	5	546	43	12	56	26	7	545	13987	4	51	31	13	543
<b>Gender</b>																						
Female	18	3	17	7	39	7	39	1	6	546	18	17	39	39	6	546	6886	4	49	33	14	542
Male	24	2	8	17	71	4	17	1	4	546	25	8	68	16	8	545	7109	5	54	29	12	544
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						1917	1	31	41	28	536
No	42	5	12	24	57	11	26	2	5	546	43	12	56	26	7	545	12078	5	55	30	11	544
<b>Gifted/talented program</b>																						
Yes	0										0						450	25	72	2	1	557
No	42	5	12	24	57	11	26	2	5	546	43	12	56	26	7	545	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: Durham School Department

School: Durham Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										0						4	2	37	35	25	538
B. less than one hour	78	4	13	17	55	10	32	0	0	548	78	13	55	32	0	548	70	4	53	31	12	544
C. one to two hours	23	1	11	7	78	1	11	0	0	548	23	11	78	11	0	548	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	20	0	0	4	50	4	50	0	0	543	20	0	50	50	0	543	26	7	56	26	11	545
B. good	63	5	20	15	60	5	20	0	0	550	63	20	60	20	0	550	53	4	53	31	11	544
C. fair	15	0	0	5	83	1	17	0	0	545	15	0	83	17	0	545	18	2	41	39	17	540
D. poor	3	0	0	0	0	1	100	0	0	532	3	0	0	100	0	532	3	1	33	36	30	536
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	23	2	22	5	56	2	22	0	0	550	23	22	56	22	0	550	23	5	56	28	11	544
B. They match some of what I have learned.	58	3	13	13	57	7	30	0	0	547	58	13	57	30	0	547	48	5	52	31	12	544
C. They match just a little of what I have learned.	18	0	0	6	86	1	14	0	0	547	18	0	86	14	0	547	23	4	49	33	14	543
D. There is no match.	3	0	0	0	0	1	100	0	0	540	3	0	0	100	0	540	6	3	40	34	23	539
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	13	0	0	3	60	2	40	0	0	546	13	0	60	40	0	546	23	5	48	31	16	543
B. about the same as my regular schoolwork	65	5	19	15	58	6	23	0	0	550	65	19	58	23	0	550	58	4	52	32	12	543
C. easier than my regular schoolwork	23	0	0	6	67	3	33	0	0	543	23	0	67	33	0	543	19	6	53	29	11	544
<b>How often do you have science classes?</b>																						
A. every day	3	0	0	0	0	1	100	0	0	540	3	0	0	100	0	540	33	5	51	31	14	543
B. a few times a week	85	5	15	21	62	8	24	0	0	549	85	15	62	24	0	549	45	4	52	32	11	544
C. once a week	5	0	0	1	50	1	50	0	0	542	5	0	50	50	0	542	8	4	50	30	16	542
D. a few times a month	8	0	0	2	67	1	33	0	0	542	8	0	67	33	0	542	15	4	52	30	14	543
<b>Which statement best describes how you learn science?</b>																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	35	1	7	7	50	6	43	0	0	544	35	7	50	43	0	544	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	33	1	8	8	62	4	31	0	0	545	33	8	62	31	0	545	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	15	1	17	5	83	0	0	0	0	554	15	17	83	0	0	554	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	18	2	29	4	57	1	14	0	0	554	18	29	57	14	0	554	21	6	58	27	10	545
<b>How often do you make observations and collect data in science class?</b>																						
A. a few times a week	63	3	12	12	48	10	40	0	0	546	63	12	48	40	0	546	47	4	51	32	12	543
B. a few times a month	28	2	18	9	82	0	0	0	0	552	28	18	82	0	0	552	27	5	54	30	11	544
C. once a month	5	0	0	2	100	0	0	0	0	547	5	0	100	0	0	547	10	5	49	30	15	543
D. never or almost never	5	0	0	1	50	1	50	0	0	540	5	0	50	50	0	540	15	3	48	32	16	542
<b>How often do you use observations and data to support your idea about science?</b>																						
A. a few times a week	67	3	12	16	62	7	27	0	0	548	67	12	62	27	0	548	46	4	52	32	12	543
B. a few times a month	26	2	20	5	50	3	30	0	0	549	26	20	50	30	0	549	28	5	53	30	12	544
C. once a month	8	0	0	3	100	0	0	0	0	545	8	0	100	0	0	545	11	4	47	34	15	542
D. never or almost never	0										0						15	4	50	30	16	542
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number